Amendments to the Claims

Listing of Claims:

1(currently amended). A luminous device comprised of:

A substrate;

A plurality of transparent electrodes, in which a plurality of convex transparent electrodes are formed onto the substrate in ordered arrangement with an appropriate distance between each other, each electrode having an edge portion;

A conductive layer, which is located on the top layer of the luminous device and parallel to the substrate;

A plurality of insulating film layers wherein said plurality of insulating film layers are arranged to cover said edge portions of said electrodes and said plurality of insulating film layers are arranged to define a cavity above each electrode wherein each cavity has a bottom portion defined by said electrode and each cavity has two side portions defined by side portions of adjacent insulating film layers; and each insulating film layer has an upper convex portion;

~~An insulating positive photoresist film layer, formed between the substrate and a conductive layer, by using the exposing and developing method to remove a plurality of insulating film on the central portion of the transparent electrodes wherein the edge portion of the transparent electrode is still covered by an insulating film, thereby forming a plurality of insulating film layers between the cavity and insulating convex, at the bottom of the cavity is a transparent electrode, and the two sides of the cavity are the insulating film material;~~

A hole-transport layer, on the hole-injection layer in an insulating film cavity;

A light-emitting layer, on the hole-transport layer in an insulating film cavity; and

An electron-transport layer, on the light-emitting layer in an insulating film cavity.

2(currently amended). A luminous device of claim 1 wherein said the substrate is glass or a plastic film.

3(currently amended). A luminous device of claim 1 wherein the thickness range of the insulating film layer is 50 ~ 5000 nm for a positive photoresist insulating film, and the composition of the insulating film includes phenolic resin, photoactive compound, thermosetting resin, ~~and/or~~ catalyst, solvent, ~~and/or other~~ and an adhesive promoter.

4(previously presented). A luminous device of claim 3 wherein the insulating positive photo resist has a convex top face has a smooth convex ball face shape, and its convex angle is an inclining obtuse angle, forming a smooth gradient and gradually widening shape from the top face to the bottom face.

5(previously presented). A luminous device of claim 3 wherein the insulating convex shape results from the method of postbake heated reflow.

6(previously presented). A luminous device of claim 1 wherein said the material of a plurality of transparent electrodes can be selected from the group consisting of indium-tin-oxide (ITO) and indium-zinc-oxide (IZO).

7(previously presented). A luminous device of claim 1 wherein said the material of the conductive layer is selected from the grouping consisting of Al, Ca, Mg, Li, and lithium alloy.

8(previously presented). A lluminous device of claim 3 wherein said thermosetting resin is selected from the group consisting of melamine formaldehyde resins, benzoguanamine formaldehyde resins, and glycoluril formaldehyde resins.

9(currently amended). A luminous device of claim 1 wherein said catalyst is acidic or is acidifiable ~~or potentially acidic, and the acid is released during the bake~~.